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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/051,804A

DATE: 04/12/2002<sup>9.5</sup>  
TIME: 13:52:08

Input Set : A:\K-163.app

Output Set: N:\CRF3\04122002\J051804A.raw

4 <110> APPLICANT: ANGEL, PETER  
5 HERRLICH, PETER  
6 VAN DAM, HANS  
7 VAN DER ERB, ALEX  
9 <120> TITLE OF INVENTION: TRANSCRIPTION FACTORS AND THEIR USE  
11 <130> FILE REFERENCE: K-163  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/051,804A  
14 <141> CURRENT FILING DATE: 2000-10-05  
16 <150> PRIOR APPLICATION NUMBER: PCT/EP99/01805  
17 <151> PRIOR FILING DATE: 1999-03-18  
19 <150> PRIOR APPLICATION NUMBER: DE 190 15 331.7  
20 <151> PRIOR FILING DATE: 1998-04-06  
22 <160> NUMBER OF SEQ ID NOS: 37  
24 <170> SOFTWARE: PatentIn Ver. 2.1  
26 <210> SEQ ID NO: 1  
27 <211> LENGTH: 32  
28 <212> TYPE: PRT  
29 <213> ORGANISM: Artificial Sequence  
31 <220> FEATURE:  
32 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus  
33 sequence  
35 <220> FEATURE:  
36 <221> NAME/KEY: MOD\_RES  
37 <222> LOCATION: (2)..(7)  
38 <223> OTHER INFORMATION: Variable amino acid  
40 <220> FEATURE:  
41 <221> NAME/KEY: MOD\_RES  
42 <222> LOCATION: (9)..(14)  
43 <223> OTHER INFORMATION: Variable amino acid  
45 <220> FEATURE:  
46 <221> NAME/KEY: MOD\_RES  
47 <222> LOCATION: (16)..(21)  
48 <223> OTHER INFORMATION: Variable amino acid  
50 <220> FEATURE:  
51 <221> NAME/KEY: MOD\_RES  
52 <222> LOCATION: (23)..(28)  
53 <223> OTHER INFORMATION: Variable amino acid  
55 <220> FEATURE:  
56 <221> NAME/KEY: MOD\_RES  
57 <222> LOCATION: (30)..(32)  
58 <223> OTHER INFORMATION: Variable amino acid  
60 <400> SEQUENCE: 1  
W--> 61 Leu Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa

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```

62      1              5              10              15
W--> 64 Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa
65              20              25              30
68 <210> SEQ ID NO: 2
69 <211> LENGTH: 31
70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
75 peptide
77 <400> SEQUENCE: 2
78 Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
79      1              5              10              15
81 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
82              20              25              30
85 <210> SEQ ID NO: 3
86 <211> LENGTH: 31
87 <212> TYPE: PRT
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
92 peptide
94 <400> SEQUENCE: 3
95 Leu Lys Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
96      1              5              10              15
98 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
99              20              25              30
102 <210> SEQ ID NO: 4
103 <211> LENGTH: 31
104 <212> TYPE: PRT
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
109 peptide
111 <400> SEQUENCE: 4
112 Leu Glu Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
113      1              5              10              15
115 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
116              20              25              30
119 <210> SEQ ID NO: 5
120 <211> LENGTH: 31
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
126 peptide
128 <400> SEQUENCE: 5
129 Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
130      1              5              10              15

```

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```

132 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Lys Gln
133      20      25      30
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 31
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
143     peptide
145 <400> SEQUENCE: 6
146 Leu Glu Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
147   1      5      10      15
149 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Lys Gln
150      20      25      30
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 31
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
160     peptide
162 <400> SEQUENCE: 7
163 Leu Lys Glu Lys Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
164   1      5      10      15
166 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
167      20      25      30
170 <210> SEQ ID NO: 8
171 <211> LENGTH: 31
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
177     peptide
179 <400> SEQUENCE: 8
180 Leu Lys Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
181   1      5      10      15
183 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Lys Gln
184      20      25      30
187 <210> SEQ ID NO: 9
188 <211> LENGTH: 31
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
194     peptide
196 <400> SEQUENCE: 9
197 Leu Lys Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
198   1      5      10      15
200 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Lys Gln

```

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Input Set : A:\K-163.app

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```

201          20          25          30
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206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
211     peptide
213 <400> SEQUENCE: 10
214 Leu Lys Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
215   1          5          10          15
217 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Lys Gln
218          20          25          30
221 <210> SEQ ID NO: 11
222 <211> LENGTH: 31
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
228     peptide
230 <400> SEQUENCE: 11
231 Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
232   1          5          10          15
234 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Glu Gln
235          20          25          30
238 <210> SEQ ID NO: 12
239 <211> LENGTH: 31
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
245     peptide
247 <400> SEQUENCE: 12
248 Leu Lys Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
249   1          5          10          15
251 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Glu Gln
252          20          25          30
255 <210> SEQ ID NO: 13
256 <211> LENGTH: 31
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
262     peptide
264 <400> SEQUENCE: 13
265 Leu Glu Glu Lys Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
266   1          5          10          15
268 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Glu Gln
269          20          25          30

```

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Input Set : A:\K-163.app

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```

272 <210> SEQ ID NO: 14
273 <211> LENGTH: 31
274 <212> TYPE: PRT
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
279     peptide
281 <400> SEQUENCE: 14
282 Leu Glu Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
283   1             5             10             15
285 Ser Thr Ala Asn Met Leu Arg Glu Gln Val Ala Gln Leu Glu Gln
286           20             25             30
289 <210> SEQ ID NO: 15
290 <211> LENGTH: 31
291 <212> TYPE: PRT
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
296     peptide
298 <400> SEQUENCE: 15
299 Leu Glu Glu Lys Val Lys Thr Leu Lys Ala Gln Asn Tyr Glu Leu Ala
300   1             5             10             15
302 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Glu Gln
303           20             25             30
306 <210> SEQ ID NO: 16
307 <211> LENGTH: 31
308 <212> TYPE: PRT
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
313     peptide
315 <400> SEQUENCE: 16
316 Leu Glu Glu Glu Val Lys Thr Leu Glu Ala Gln Asn Tyr Glu Leu Ala
317   1             5             10             15
319 Ser Thr Ala Asn Met Leu Glu Glu Glu Val Ala Gln Leu Glu Gln
320           20             25             30
323 <210> SEQ ID NO: 17
324 <211> LENGTH: 31
325 <212> TYPE: PRT
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
330     peptide
332 <400> SEQUENCE: 17
333 Leu Glu Lys Lys Ala Glu Asp Leu Ser Ser Leu Asn Gly Gln Leu Gln
334   1             5             10             15
336 Ser Glu Val Thr Leu Leu Arg Asn Glu Val Ala Gln Leu Lys Gln
337           20             25             30
340 <210> SEQ ID NO: 18

```

→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/051,804A

DATE: 04/12/2002

TIME: 13:52:09

Input Set : A:\K-163.app

Output Set: N:\CRF3\04122002\J051804A.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:1004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1066 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:1069 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:1128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:1131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:1190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:1193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:1252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:1255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:1314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:1317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:1376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:1379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:1438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:1441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37